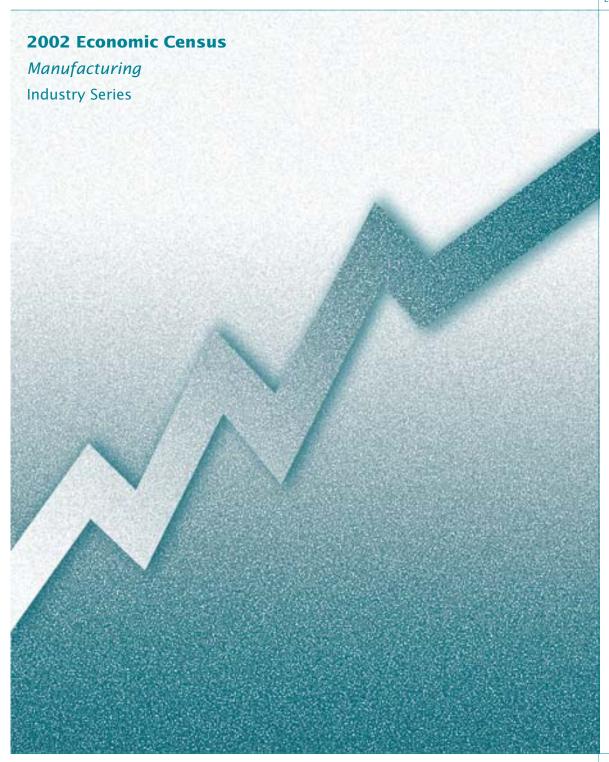
# Beet Sugar Manufacturing: 2002

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#### **CONTENTS**

	duction to the Economic Census	v ix
Table	es	
1. 2. 3. 4. 5. 6a. 6b. 7.	Historical Statistics for the Industry: 2002 and Earlier Years Industry Statistics for Selected States: 2002 Detailed Statistics by Industry: 2002 Industry Statistics by Employment Size: 2002 Industry Statistics by Primary Product Class Specialization: 2002 Products Statistics: 2002 and 1997 Product Class Shipments for Selected States: 2002 and 1997 Materials Consumed by Kind: 2002 and 1997	1 2 3 4 5 6 
Appe	endixes	
A. B. C. D. E. F.	Explanation of Terms	A-1 B-1 C-1  F-1

-- Not applicable for this report.

## Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

		All	All employees		Production workers				Total	Total	Total capital
Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	estab- lish- ments <sup>3</sup>	Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)		expendi- tures (\$1,000)
311313, Beet sugar manufacturing2002 2001 2009 1999 1998 1997	11 N N N N	35 N N N N 36	5 697 6 723 7 557 7 494 7 828 7 718	220 394 253 584 268 623 258 497 267 945 252 236	4 903 5 852 6 561 6 486 6 853 6 684	10 493 12 915 13 964 14 304 15 207 14 333	174 444 203 528 217 786 209 383 218 212 203 040	1 006 494 1 028 778 965 466 1 042 216 947 765 968 482	1 280 532 1 457 956 1 618 121 1 700 189 1 708 687 1 768 320	2 256 399 2 542 801 2 535 079 2 691 227 2 672 796 2 732 503	746 806 74 491 107 128 198 616 244 467 167 511

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

2For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

3Includes establishments with payroll at any time during the year.

4Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

#### Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area		All establishments <sup>2</sup>		All employees		Production workers						
		Total	With 20 em- ploy- ees or more	Number <sup>3</sup>	Payroll (\$1,000)		Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
311313, Beet sugar manufacturing												
United States	1 2	35 6	27 2	5 697 453	220 394 16 703	4 903 366	10 493 787	174 444 11 483	1 006 494 63 584	1 280 532 82 956	2 256 399 145 680	r46 806 r6 915

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

³Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

#### Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
311313, Beet sugar manufacturing	
Companies <sup>1</sup> number	11
All establishments <sup>2</sup>	35 8 9 18
All employees3         number           Total compensation         \$1,000           Annual payroll         \$1,000           Total fringe benefits         \$1,000	5 697 283 293 220 394 62 899
Production workers, average for year	4 903 5 084 4 466 4 246 5 801
Production worker hours	10 493 174 444
Total cost of materials         \$1,000.           Materials, parts, containers, packaging, etc., used         \$1,000.           Resales         \$1,000.           Purchased fuels         \$1,000.           Purchased electricity         \$1,000.           Contract work         \$1,000.	1 280 532 1 137 434 23 212 94 285 22 700 2 901
Quantity of electricity purchased for heat and power. 1,000 kWh.  Quantity of electricity generated less sold for heat and power 1,000 kWh.	462 494 192 613
Total value of shipments         \$1,000           Primary products value of shipments         \$1,000           Secondary products value of shipments         \$1,000           Total miscellaneous receipts         \$1,000           Value of resales         \$1,000           Contract receipts         \$1,000           Other miscellaneous receipts         \$1,000	2 256 399 2 201 782 25 268 29 349 26 584 2 76
Primary products specialization ratio percent.  Value of primary products shipments made in all industries \$1,000.  Value of primary products shipments made in this industry \$1,000  Value of primary products shipments made in other industries \$1,000.	99 2 206 922 2 201 782 5 140
Coverage ratiopercent.	100
Value added\$1,000	1 006 494
Total inventories, beginning of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	584 672 342 070 86 654 155 948
Total inventories, end of year         \$1,000           Finished goods inventories         \$1,000           Work-in-process inventories         \$1,000           Materials and supplies inventories         \$1,000	628 887 365 427 93 924 169 536
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000.  Total capital expenditures (new and used) \$1,000.  Buildings and other structures (new and used) \$1,000.  Machinery and equipment (new and used) \$1,000.  Automobiles, trucks, etc., for highway use \$1,000.  Computers and peripheral data processing equipment \$1,000.  All other expenditures for machinery and equipment \$1,000.  Total retirements \$1,000.  Gross value of depreciable assets at end of year \$1,000.	1 845 724 '46 806 '4 671 '42 135 '449 '469 '41 217 '124 605 '1 767 925
Depreciation charges during year \$1,000.	r82 327
Total rental payments \$1,000. Buildings and other structures \$1,000.	9 346 4 130
Machinery and equipment. \$1,000.  Total other expenses <sup>4</sup> \$1,000.  Response coverage ratio <sup>5</sup> percent. \$1,000.  Response coverage ratio <sup>5</sup> percent. \$1,000.  Communications services of buildings and/or machinery <sup>4</sup> \$1,000.  Communications services <sup>4</sup> \$1,000.  Accounting, auditing, and bookkeeping services <sup>4</sup> \$1,000.  Advertising and promotional services <sup>4</sup> \$1,000.  Expensed computer hardware and supplies and purchased computer services <sup>4</sup> \$1,000.  Refuse removal (including hazardous waste) services <sup>4</sup> \$1,000.  Management consulting and administrative services <sup>4</sup> \$1,000.  All other expenses <sup>4</sup> \$1,000.	5 216 115 724 91 45 016 916 239 221 4 721 401 1 491 671 13 706 48 343

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

#### Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class			All emp	oloyees	Pr	oduction worke	ers		Total	Total	Total capital
		All estab- lish- ments <sup>2</sup>	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
311313, Beet sugar manufacturing											
All establishments Establishments with—	1	35	5 697	220 394	4 903	10 493	174 444	1 006 494	1 280 532	2 256 399	r46 806
1 to 4 employees 5 to 9 employees	9	_ 1	_ a	_ D	_ _	_ _	_ D	_ _	_ _	_ D	_ D
10 to 19 employees	9	7	C	D	D	D	D	D	D	D	D
20 to 49 employees	3	7	208	7 136	154	338	5 261	32 421	71 198	110 569	r1 083
50 to 99 employees	9	2 7	1 508	54 966	1 275	2 612	42 637	220 523	344 994	523 643	10 137
250 to 499 employees		11	3 706	148 855	3 246	7 067	119 781	702 170	795 300	1 495 544	r33 791
500 to 999 employees	-		_	_		-	_		-	_	_
1,000 to 2,499 employees	-	_	_	_	_	-	-	-	-	_	_
2,500 employees or more	-	-	_	_	-	_	_	_	_	_	_
Administrative records <sup>4</sup>	-	_	-	_	_	-	_	-	_	-	_

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

#### Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	A.II	All em	ployees	Pr	oduction work	ers		Total	Total	Total
		All estab- lish- ments <sup>1</sup>	Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	capital expendi- tures (\$1,000)
311313	Beet sugar manufacturing	35	5 697	220 394	4 903	10 493	174 444	1 006 494	1 280 532	2 256 399	<sup>r</sup> 46 806
3113130	Beet sugar	35	5 697	220 394	4 903	10 493	174 444	1 006 494	1 280 532	2 256 399	r46 806

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

<sup>&</sup>lt;sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

#### Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

		Number of		Product	shipments
Product code	Product	companies with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)
311313	Beet sugar manufacturing	N N	X	X	2 206 922 2 619 463
3113130	Beet sugar	N N	X X	X X	2 206 922 2 619 463
31131301	Refined granulated beet sugar, including cube and tablet sugar, shipped in small individual packets	N N	X	X	D D
3113130111	Refined granulated beet sugar, including cube and tablet sugar, shipped in small individual packets	1 2	X	D D	D
31131302	Refined granulated beet sugar, including cube and tablet sugar, shipped in consumer units (25 lb or less)	N N	Х	X	D 374 119
3113130221	Refined granulated beet sugar, including cube and tablet sugar, shipped in consumer units (25 lb or less)	5	×	D	D
31131303	Refined granulated beet sugar, including cube and tablet sugar, shipped in commercial units (bags and other containers greater than 25 lb)	5 N	X	635.0	374 119 322 632
3113130331	1997 Refined granulated beet sugar, including cube and tablet sugar, shipped in commercial units (bags and other	N	X	X	516 195
31131304	containers greater than 25 lb)	5 6	X X	<sup>P</sup> 580.2 890.1	322 632 516 195
31101004	sugar, shipped in bulk (rail cars, trucks, or bins)	N N	X	X	679 429 1 233 844
3113130441	Refined granulated beet sugar, including cube and tablet sugar, shipped in bulk (rail cars, trucks, or bins)	<u>6</u>	X	1 227.8	679 429
31131305	1997	7 N N	X	P2 143.6 X X	1 233 844 66 838 90 910
3113130551	1997 Refined beet sugar, confectioners' powdered	5 6	X X X X X X X	77.5 102.7	44 991 64 227
3113130561	Refined beet sugar, soft or brown	6	ŝ	P35.8	21 847 26 683
31131306	Refined liquid beet sugar or sugar syrup	N	ŝ	39.6 X	28 129
3113130671	1997 Refined liquid beet sugar or sugar syrup	N 4 3	X X X	X <sup>9</sup> 53.2 D	D 28 129 D
31131307	Whole, straighthouse, or discard beet sugar molasses and molasses beet sugar pulp	N N	X	x	54 851
3113130781	1997 Whole, straighthouse, or discard beet sugar molasses	N 6	X X	X 438.5	77 592 D
3113130791	1997 Molasses beet sugar pulp, bulk	6 2 5	X X	P608.5 D	50 683 D
31131308	Molasses beet sugar pulp, pelletized	N	X X X X X X	S X	26 909 48 446
31131308A1	Molasses beet sugar pulp, pelletized	N 6	X	X 532.5	42 985 48 446
31131309	All other beet sugar pulp, including raw beet sugar, dried, and other beet pulp (plain)	4 N	X X	s X	42 985 17 228
31131309B1	All other beet sugar pulp, including raw beet sugar, dried, and other beet pulp (plain)	N 4	X X	X 504. <u>6</u>	74 173 17 228
3113130Y	1997	4 N	X X X	S X	74 173 83 243
3113130YWW	Beet sugar, nsk, for nonadministrative-record establishments	N N		X	10 815 83 243
3113130YWY	Beet sugar, nsk, for administrative-record establishments	N N N	X X X	X X X	10 815

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

# Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Not applicable for this report.]

### Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
311313	Beet sugar manufacturing		
00900001	Total materials	X	1 137 434
11199100	1997   Sugar beets	X S	1 561 961 881 687
32221001	Paperboard containers, boxes, and corrugated paperboard	X	1 312 943 D 7 184
001900A1	Packaging paper and plastics film, coated and laminated	×	D 7 044
001900A3	1997   Bags (plastics, foil, and coated paper)	ŝ	7 911 323
32222401	Bags (uncoated paper and multiwall)	X X X	3 465 D 10 615
00970099	All other materials and components, parts, containers, and supplies	x	36 676 219 843
00971000	Materials, ingredients, containers, and supplies, nsk	X X X	171 898 -

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.